SONY

3-755-352-11 (2)

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Tuning the VCR to Your TV
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SLV-225UB/225EI

Video Cassette Recorder

Operating Instructions

Please do not anything before you read this manual.
Retain this manual for further reference.

Please send in the questionnaire printed on the back cover.

VHS
PAL

MC-Service

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"Printed on 100% recycled paper."

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

NOTICE FOR THE CUSTOMERS IN THE UNITED KINGDOM

If the plug supplied with this appliance is not suitable for the socket outlet in your home, it should be cut off and an appropriate plug fitted.

If the plug supplied with this appliance has detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover.

If you should lose the fuse cover, please contact your nearest Sony service station.

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red. Do not connect either wire to the earth terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured green or green-and-yellow. Should the fuse in the plug supplied with this appliance need to be replaced, a 3 AMP FUSE approved by ASTA to BS 1362, i.e. carries the ⓐ mark, must be used.

WARNING

To prevent shock hazard, do not insert the plug cut off from the mains lead into a socket outlet. This plug cannot be used and should be discarded.

Caution

Television programmes, films, video tapes and other materials may be copyrighted. Unauthorized recording of such materials may be contrary to the provisions of the copyright laws. Also, use of this recorder with cable television transmission may require authorization from the cable television transmitter and/or programme owner.

Precautions

On Safety

- For the SLV-225UB, operate on 240 V AC, 50 Hz. For the SLV-225EI, operate on 220/230 V AC, 50 Hz.
- Should anything fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- If the unit will not be used for an extended period, unplug it from the wall outlet. To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- The unit is not disconnected from the mains (AC power source) as long as it is connected to the mains outlet, even if the unit itself has been turned off.

On Installation

- Allow adequate air circulation to prevent internal heat build-up.
- Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies, etc.) that may block the ventilation holes.
- Do not install the unit near heat sources such as radiators or air ducts or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- The unit is designed for operation in a horizontal position. Do not install it in an inclined position.
- Keep the unit and cassette tapes away from equipment with strong magnets, such as microwave ovens or large loudspeakers.
- Do not place heavy objects on the unit.

On Operation

- When the unit is not in use, turn the power off to conserve energy and to extend its life.

On Video Cassettes

- Remove and store video cassettes after recording or playback.

On Cleaning

- Clean the cabinet, panel and controls with a soft dry cloth, or a soft cloth slightly moistened with a mild detergent solution.
- Do not use any type of solvents, such as alcohol or benzine, which might damage the finish.

If you have any questions about the unit, contact your Sony service facility.

Welcome!

Congratulations on your purchase of the Sony SLV-225 Video Cassette Recorder.
This video cassette recorder is the result of our commitment to bring Sony customers high quality, state-of-the art technology.
Thank you for choosing Sony.

Features

Here are some of the features you'll enjoy with your video cassette recorder:
- High Quality (HQ) picture technology that gives sharp, finely detailed pictures
- A long-range remote control that lets you control all VCR functions from up to 10 metres away
- A timer to record up to six TV programmes
- Auto-tracking adjustment that automatically adjusts for picture distortion
- DUAL MODE SHUTTLE ring for easy scene search

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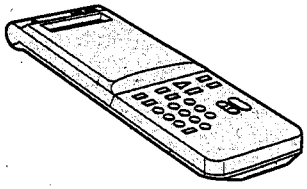
Getting Started

Unpacking the VCR

Take the machine out of the box and unpack the accessories. Check that you have the following accessories:

- Mains lead
- Coaxial cable
- Remote control RMT-V126 and batteries
- RF channel adjuster
- Instruction manual

If you do not have all of these items, please contact your dealer.

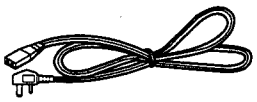


Remote Control

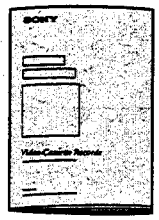
RF channel adjuster

Batteries

Coaxial cable



Mains lead

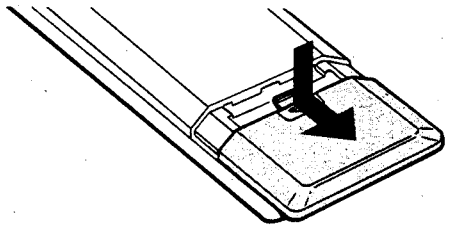


Operating instructions

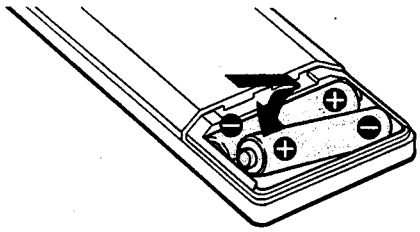
Preparing the Remote Control

Before using the supplied remote control, insert the correct batteries into the remote control.

1 Open the cover.



2 Insert two R6 (size AA) batteries with the polarities lined up correctly.



3 Close the cover.

How to Use the Remote Control

When you use the remote control for the operation of the TV or VCR, set TV-VTR (at the top of the remote control) as follows:

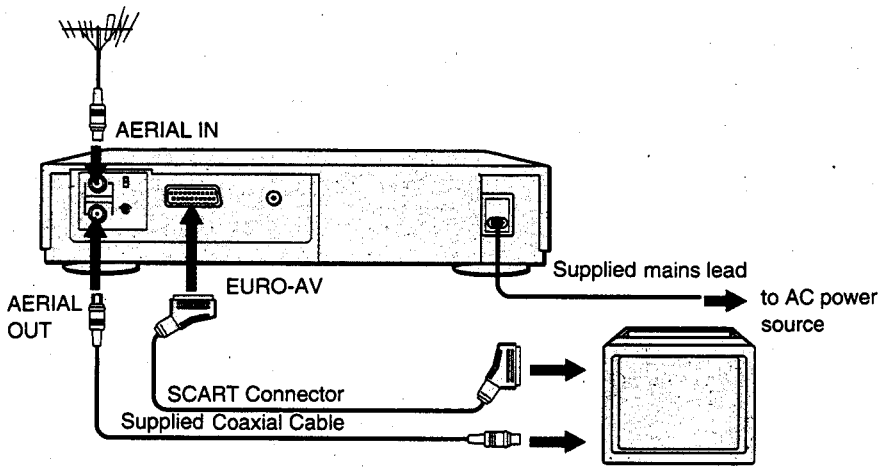
To operate	Slide TV-VTR to
The TV	TV
The VCR	VTR

When you operate the VCR using the remote control, point it to the remote sensor of the VCR. For the location of remote sensor, see "Identifying the Parts and Controls" on page 31.

Battery Life

With normal operation, batteries will last for about six months. If the remote will not be used for a long period of time, remove the batteries to avoid possible damage from battery leakage.

Connecting the VCR



1 Turn the VCR around so you can see the rear panel.

2 Disconnect the aerial input lead from your TV and connect it to the socket marked "AERIAL IN" on the rear of the VCR.

3 Connect the coaxial cable (supplied with the VCR) to the socket marked "AERIAL OUT" on the VCR and then plug it into the aerial input socket on your TV.

4 Check all connections and ensure they are firm.

5 Take the mains lead and plug it into the socket on the back of the VCR marked "AC IN". Then plug the other end into the mains supply.

Additional Connections

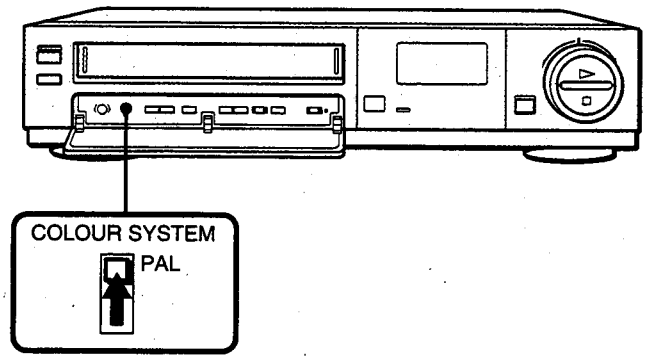
If you wish to enjoy improved picture quality and your TV is suitably equipped, you can use a EURO-AV connector (SCART) to link your VCR and TV. Connect the EURO-AV socket of this VCR and 21-pin SCART connector on your TV, using the VMC-2121CE cable (SCART connector, not supplied). If in doubt, consult your TV instruction manual.

Setting the Colour System

The VCR receives TV programmes based on the PAL system, records using this system and plays back the tapes recorded on PAL or NTSC system.
To view tapes recorded on the NTSC colour system, use a TV based on the PAL colour system. If you are using a TV equipped with the COLOUR SYSTEM switch, set it to "PAL".

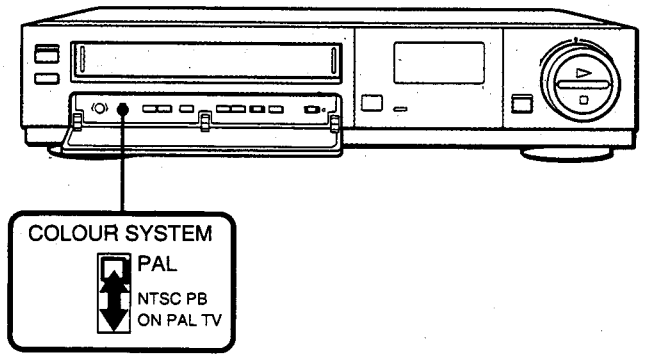
Before Recording

You need to set COLOUR SYSTEM to PAL.



Before Playing Back

You need to set COLOUR SYSTEM according to the system to be played back.



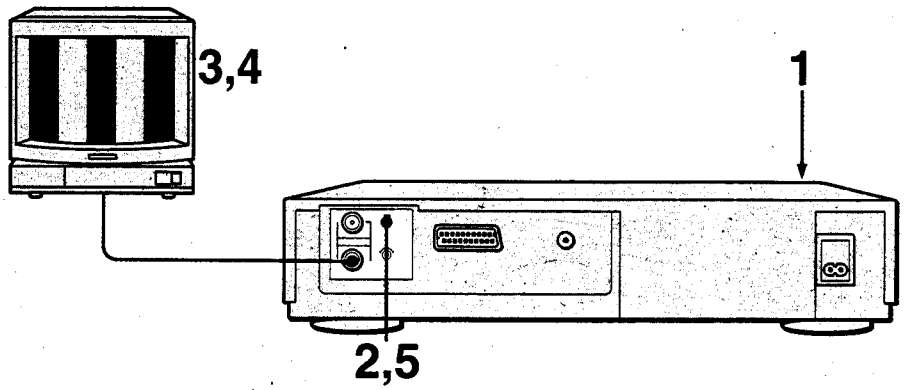
PAL: To play back tapes recorded on a PAL system
NTSC PB ON PAL TV: To play back on a PAL TV tapes recorded on an NTSC system

When playing back tapes recorded on an NTSC system
Depending on the TV used, a black bar may appear at the top and bottom of the picture, or the picture may not appear on the screen.

MC-Service

Tuning the VCR to Your TV

If you have connected your VCR and TV using only the aerial sockets, you have to adjust one of the television programme positions to receive the VCR's signals.
If the VCR-TV connection is made using the EURO-AV socket, skip this step.



1 Press ON/STANDBY to turn on the VCR.

2 Set TEST SIG. to ON.
The test signal is transmitted on a channel between UHF channels 32 and 42.

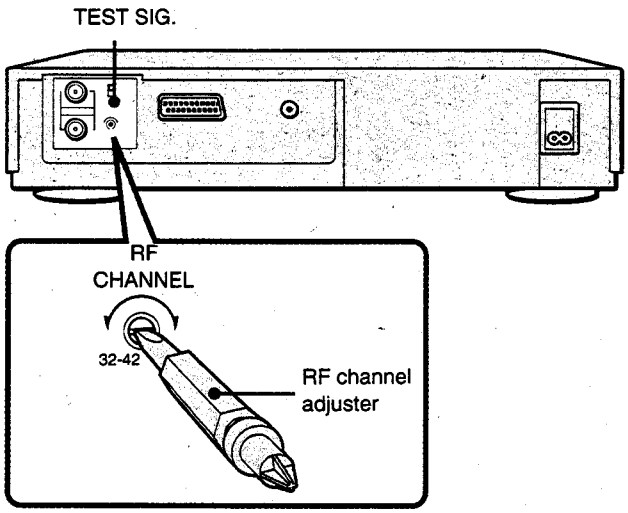
3 Turn on the TV and select a programme position that is not used to receive a TV station.

4 Tune the TV so that a test pattern is clearly displayed on the TV screen.

5 Set TEST SIG. to OFF.

You have now tuned your TV to your VCR. Whenever you wish to receive the VCR s playback picture on the TV, turn to the TV programme position you have set for the VCR and switch on the VCR.

When the test pattern is not free of disturbance



1 Set TEST SIG. to OFF.

2 Adjust a programme position on the TV between UHF channels 32 and 42, where the TV shows no picture and where no sound is heard.

3 Set TEST SIG. to ON.

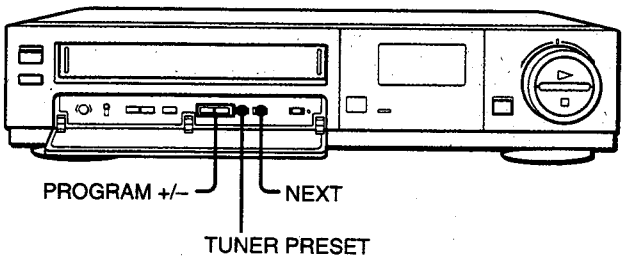
4 Turn RF CHANNEL slowly with the supplied RF channel adjuster until an undistorted test pattern is displayed on the TV screen.

5 Set TEST SIG. to OFF.

Tuning the VCR to the Required Stations

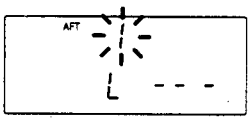
To watch and record a TV programme on the VCR, you have to tune the VCR to the broadcast channels. You can preset up to 39 channels.

Allocating Desired Channels

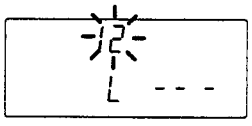


1 Turn on the VCR and the TV.
If you have made the VCR-TV connection using the aerial sockets, select the programme position for video playback. If you have made it using the EURO-AV socket, select the input for the VCR.

2 Press TUNER PRESET.

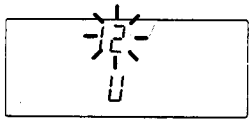


3 Press PROGRAM + or – until the desired programme position number appears in the front panel display.



Then press NEXT.

4 Press PROGRAM + or – until the desired band indicator appears in the display window.



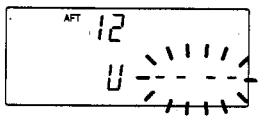
Then press NEXT.

Refer to the following table for the band indicator and the corresponding channels.

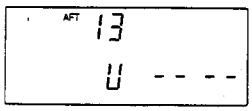
Band indicator	Corresponding channels	
	for the SLV-225UB	for the SLV-225EI
L	—	VHF A-C S01, 02, 03, S1, S2
H	—	VHF D-J, S3-S20
U	UHF 21-68	UHF 21-68

"S" will appear at the band indicator position.
"S" should be selected to erase unwanted programme positions. See page 13.

5 Press PROGRAM + or –.
The VCR automatically finds a channel being used for a broadcast.
The AFT (Auto Fine Tuning) automatically fine-tunes the picture. To manually fine-tune the picture, see page 12.

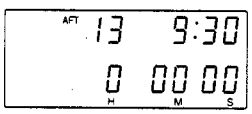


6 Press NEXT.
The VCR sets the selected channel to the selected programme position.



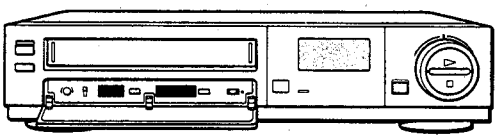
7 Repeat steps 3 to 6 to tune and set other channels to other programme positions.

8 Press TUNER PRESET again.
The display will return to the normal display.



Fine-Tuning the Picture

The AFT (Auto Fine Tuning) will appear in the front panel display when a station is tuned in, or preset.
If the picture of a particular channel is not acceptable, proceed as follows:



1 Press PROGRAM + or – to select the unsatisfactory station.

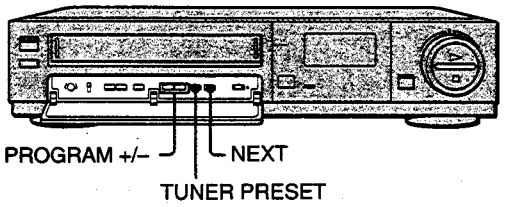
2 Press TUNER PRESET.

3 Press TRACKING/FINE TUNING ▼ or ▲ until the best possible picture and sound are obtained.
The AFT indicator goes off.

4 Press TUNER PRESET.

Erasing Unwanted Programme Position

After tuning TV channels to the programme positions, you can designate unwanted programme positions so that the programme position will be skipped when you search for a channel with PROGRAM + or –.



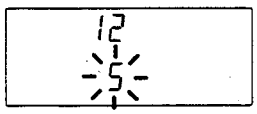
1 Turn on the VCR and TV.

2 Press TUNER PRESET.

3 Press PROGRAM + or – until the programme position number to be skipped appears in the front panel display.

4 Press NEXT.

5 Press PROGRAM + or – until "S" appears and flashes at the band indicator position in the front panel display.



6 Press NEXT.

7 Repeat steps 3 to 6 to designate another programme position to be skipped.

8 Press TUNER PRESET.
The display will return to the normal display

Cancelling the skip function

Tune a TV channel again to the programme position which has been erased. (See page 10).

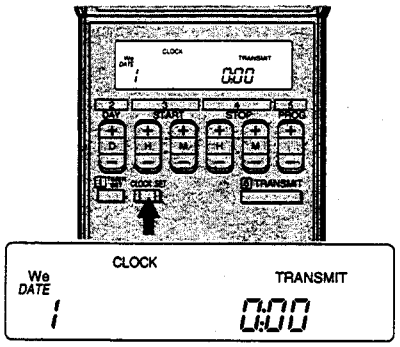
SLV-225UB/EI

MC-Service

Setting the Date and Clock

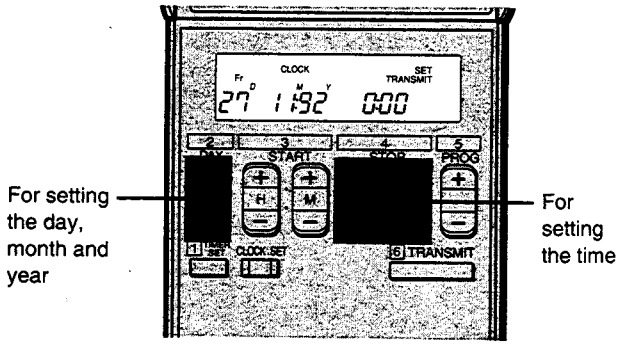
1 Lift the remote control flap.

2 Press the CLOCK SET button and check that the word "CLOCK" appears in the LCD (Liquid Crystal Display) on the remote control.



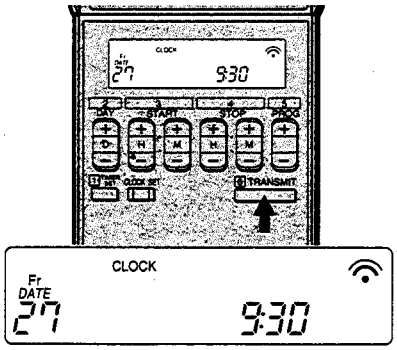
3 Press the button marked "D" (top to go forward and bottom to go backwards) until today's day, date, month and year are indicated. Keep pressing the "D" button going through the dates, months and years until the correct date is set.

If you keep the "D" button pressed, the display will change more rapidly.



4 Press the STOP section H and M rocker buttons under the flashing "0.00" on the remote display. Use these buttons to set the correct time. Once done, the correct day, month, year and time are all shown on the remote display.

5 When you are satisfied that all the information is correct, point the remote at the VCR and press the TRANSMIT button.

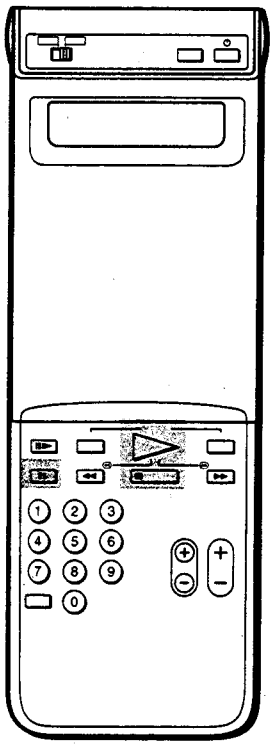


The correct time should now appear in the front panel display of the VCR even when the VCR is off.

You have now finished setting up your VCR.

MC-Service

Basic Operations

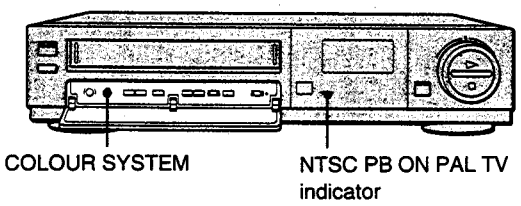


Playing a Video Tape

When you want to play a video tape, just slide it into the tape compartment until the VCR grips it. The power will go on automatically and the VCR will start playing the tape immediately.

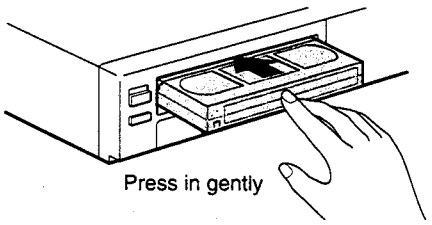
1 Turn on the TV.
If you have made the VCR-TV connection using the aerial sockets, select the programme position for video playback.
If you have made the VCR-TV connection using the EURO-AV socket, select the input for the VCR.

2 Open the drop-down panel and set the COLOUR SYSTEM switch on the VCR to the system to be played back.



PAL: To play back tapes recorded on a PAL system
NTSC PB ON PAL TV: To play back on a PAL TV tapes recorded on NTSC system
When COLOUR SYSTEM is set to NTSC PB ON PAL TV, the NTSC PB ON PAL TV indicator lights in green.

3 Insert the video tape.
The VCR goes on automatically. If the safety tab of the cassette is removed, playback also starts automatically.



4 Press ► PLAY.
When the tape reaches the end, the VCR automatically rewinds the tape to the beginning (auto rewind). The power of the unit remains on.

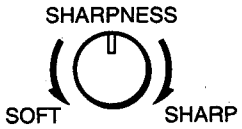
- When you play back a tape recorded on the NTSC colour system, the picture may go black and white, shake, or shrink a bit. It depends on the TV you have.
- When the PAL and NTSC colour systems are mixed on a tape, the counter does not show the exact count, since each system has a different counting cycle.

- When the pause mode lasts for more than approximately 5 minutes, the VCR will automatically enter the playback mode.

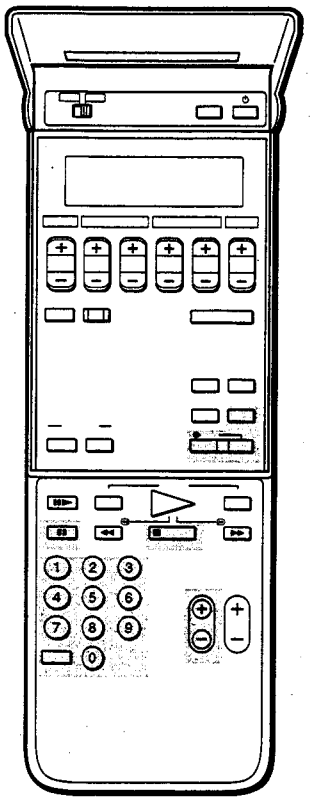
To	Press
Stop the tape	■ STOP
Interrupt play	II PAUSE (Press II PAUSE again to resume play.)
Eject the tape	▲ EJECT on the VCR.

To adjust the sharpness of the picture

Turn SHARPNESS to SHARP for a sharper focus or to SOFT for a softer focus.



You can record TV programmes in one of three ways:
- While you are watching the programme
- While you are watching another programme
- While you are not watching the TV at all (Timer Setting)



Watching a TV programme while recording another
Select the programme position of the TV programme you desire on the TV.

Recording While Watching the TV Programme

While recording a TV programme, you may want to record the whole programme or you may want to delete certain scenes.

1 Turn on the VCR and TV.
If you have made the VCR-TV connection using the aerial sockets, select the programme position for video playback.
If you have made the VCR-TV connection using the EURO-AV socket, select the input for the VCR.

2 Insert a video tape. (Its safety tab must be in place.)
The VCR automatically turns on. The ⟃ indicator appears.

3 If the AU indicator lights in the front panel display, press INPUT SELECT.

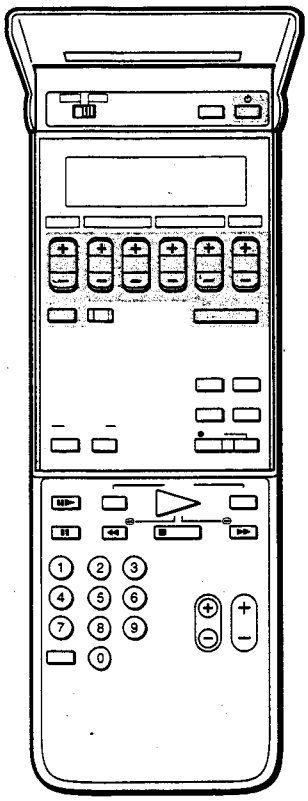
4 Press the plus (+) or minus (–) side of the gray PROG +/– button or the number keys to select the programme position number you want to record.
To select a programme position number over 9 with number keys, press the -/-- button, then the appropriate number keys.

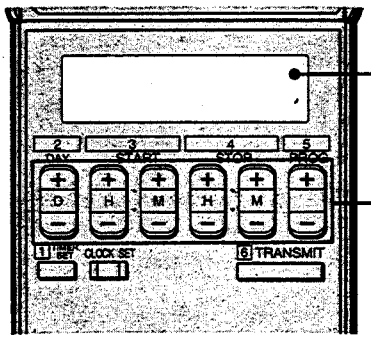
5 Press ● REC while pressing the button to the right of it.
Recording starts. The tape will automatically rewind when it reaches the end.

To	Press
Delete a scene you don't want recorded	II PAUSE while the unwanted scene is being broadcast. Press II PAUSE again to resume recording.
Stop recording	■ STOP
Have the VCR stop after recording	● REC while recording; press until the amount of time you want to record is displayed (while "OFF" flashes.)

Recording TV Programmes Using the Timer

You can use the timer on the VCR to automatically record TV programmes while you are out. You can set the VCR to record up to six TV programmes within a month.

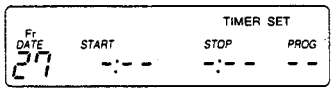



LCD Read-Out Display
Timer Setting Buttons
Use the remote control to set the timer. You don't have to be near the VCR to set the timer. Once you've made your settings on the remote control, aim at the VCR and press TRANSMIT to register the settings with the VCR deck.
TRANSMIT

1 Before turning on the VCR, check that the clocks on the remote control and front panel show the correct time (if not, see "Setting the Date and Clock" on page 14).

2 Make sure the safety tab on the video tape is in place and insert the tape.

3 Press TIMER SET.
"TIMER SET" appears in the LCD read-out display at the top of the remote control.



4 Choose one of the following options:

To Record on a Single Date

1 Press D (day) until the day you want to start recording appears in the LCD read-out.

2 Continue at step 5 below.

To record Every Day at the Same Time

1 Press D (day) until today's date appears in the LCD read-out.

2 Continue to press the – side of the D button to select "EVERY Su Mo Tu We Th Fr Sa".

3 Continue at step 5 below.

If a cassette without safety tab is inserted
The ⊡ indicator will flash and the cassette will be ejected.

When setting the day, if you press the — side of the D button twice
The day in the next month appears. You can go back to the day by pressing the – side of the D button.

If ER appears in the front panel display when you press TRANSMIT
The timer settings have not registered in the VCR.

MC-Service

If you do not set the turn-off time
The VCR records to the end of the tape.

If "FULL" appears in the front panel display when you press TRANSMIT
You have set six TV programmes

If no tape has been inserted
When presetting operation finishes, the ⏲ (timer standby) indicator flashes.

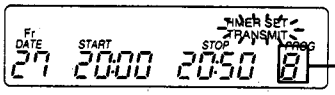
When the tape has reached end
Recording stops, but the tape will not be rewound to the beginning.

To release the timer standby mode, press ON/STANDBY.

To stop timer recording, press ■ STOP.

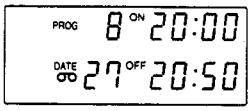
5 Press H (hour) and M (minute) in the START section to set when recording is to begin, and H and M in the STOP section to set when recording is to end.

6 Press PROG + or – to select the TV programme position to be recorded.
"TRANSMIT" flashes in the LCD read-out.



Programme position

7 Point the remote control at the remote sensor on the VCR and press TRANSMIT.
After the on and off times are displayed for a few seconds, the VCR activates recording standby (the ⏲ indicator lights).

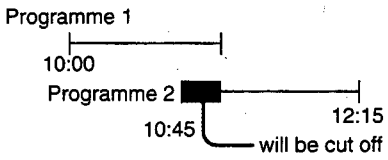


Front panel display

8 Press TIMER SET.
The current time appears in the LCD display.
The VCR stands by to go on automatically at the setting time.

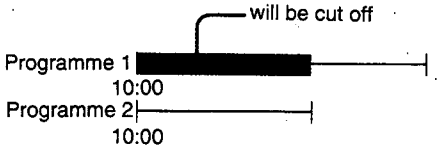
If the setting of two programmes overlaps

The recording of programme 2 will not begin until the recording of programme 1 is completed.



If the turn-on time of two programmes is the same

After the recording of the programme set second ends, the programme set first will be recorded.



To Preset Other Programmes

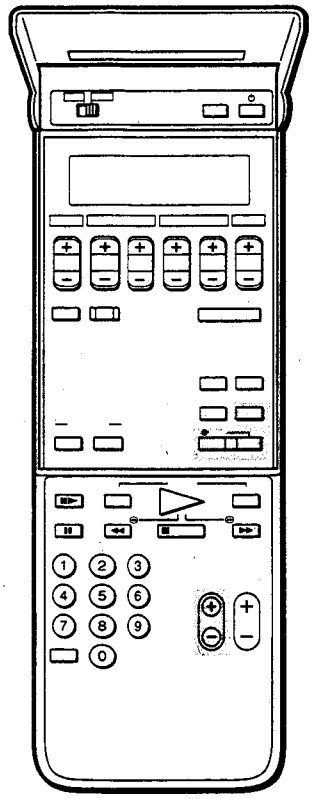
After you turn on the power, repeat steps 3 to 8.
Up to six programmes can be preset.

To Record from Equipment Connected to EURO-AV Socket

Press INPUT SELECT in step 6 to display "AU".

Using Quick Start Recording

Quick Start Recording lets you set the VCR for recording faster than the regular timer because you set the time in 30-minute units. However, unlike timer recording, quick start recording doesn't begin automatically — you must be there to start the timer. Once you've started it, you can leave the VCR to record for the time you've set.



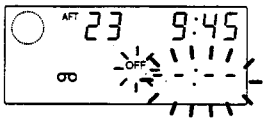
1 Make sure the safety tab on the video tape is in place and insert the tape.

2 If the AU indicator lights in the display window, press INPUT SELECT.

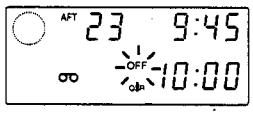
3 Press PROG +/– to select the channel to be recorded.

4 Press ● REC while pressing the button to the right of it.

5 Press ● REC again.
The OFF indicator flashes in the front panel display.



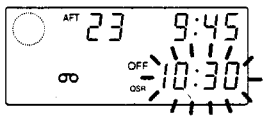
6 Press ● REC while the OFF indicator is flashing (for about 10 seconds).
The QSR indicator appears.



Each time ● REC is pressed, the recording time increases by 30 minutes.

Example: To set the recording end time at 10:30 when starting the quick start recording at 9:45.
Press ● REC twice.

9:45
⬇
10:00 ➡ 10:30



If the recording starts between 9:31 and 9:59, the first press of the REC button will set recording until 10:00.

7 You can now leave the VCR. The recording stops when the preset recording time has elapsed.

If you do not press ● REC while the OFF indicator is flashing
The OFF indicator goes off, and recording continues to the end of the tape unless you stop the recording.

When the tape reaches the end
Recording stops, but the tape will not be rewound to the beginning.

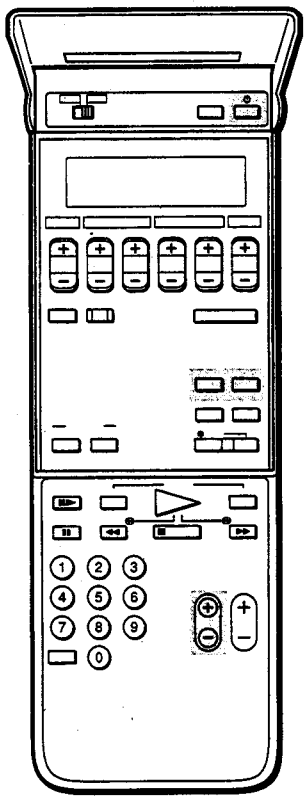
To stop the recording
Press ■ STOP.

Checking/Changing
When ● REC and the button to the right are pressed during QSR, recording end time will flash for 10 seconds. The recording end time can be changed by pressing ● REC during this 10-second period.

MC-Service

Checking or Changing Timer Settings

You can check, cancel or change TV programmes to be recorded.



Checking the Timer Settings

1 Turn on the VCR.

2 Press TIMER REC CHECK.
Each time TIMER REC CHECK is pressed, the preset timer settings will be displayed successively.
To check the month and year, press PROG + twice.
When TIMER REC CHECK is pressed at the last preset programme, the check mode will be released and the VCR enters the timer recording standby mode.

Cancelling the Timer Setting

1 Turn on the VCR.

2 Press TIMER REC CHECK until the programme to be cancelled appears in the front panel display.

3 Press TIMER REC CLEAR.
To cancel other programmes, repeat steps 2 and 3.

4 Turn off the VCR to return to the timer recording standby mode if there are other programmes set for timer recording.

Changing Timer Setting

1 Turn on the VCR.

2 Press TIMER REC CHECK until the programme to be changed appears in the front panel display.

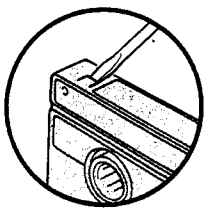
3 Press PROG +/– until the item to be changed flashes.

4 Press the number buttons to correct the item.
Always press the 0 button first when entering a single number setting.

5 Press TIMER REC CHECK.
The VCR enters the timer recording standby mode.

Saving a Recording

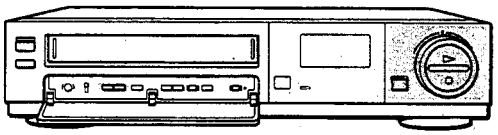
To keep from erasing your recorded tape, break off the safety tab on the cassette. If you later want to use the same video cassette to record, cover the slot with adhesive tape.

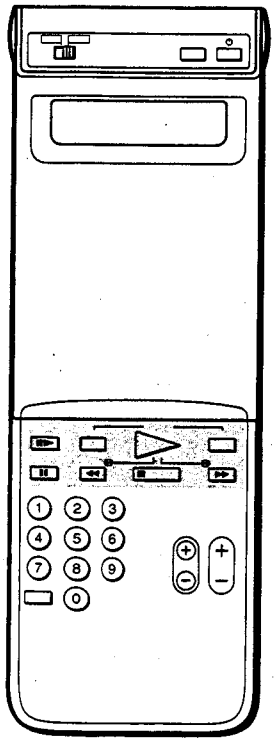


Cassette Casing

Advanced Operations

Various Playback Operations





Streaks or noise cannot be eliminated completely in the various playback operations.

Playback pause

Press ❚❚ PAUSE during playback.
To resume normal playback, press ❚❚ PAUSE again or press ► PLAY on the remote control or the upper half of the DUAL MODE SHUTTLE. When the pause mode lasts for more than approximately 5 minutes, the VCR will automatically enter the playback mode.

If the picture is shaking while in the still mode
Adjust the picture with STILL ADJUST ▼/▲.

Picture search

On the VCR
During playback, fast-forward or rewind, turn the DUAL MODE SHUTTLE ring clockwise to ►► (forward direction) or turn it counterclockwise to ◄◄ (reverse direction). A high-speed picture without sound appears on the TV screen. To return to the previous mode, release the ring.

On the remote control
During playback, fast-forward or rewind, press and hold ►► FF or ◄◄ REW.
To return to the previous mode, release the button.

Locked picture search

During playback, press ⏪ SEARCH (reverse direction) or ⏩ SEARCH (forward direction). A high-speed picture appears on the screen even when you release the button. To resume normal playback, press ► PLAY on the remote control or the upper half of the DUAL MODE SHUTTLE.

Frame-by-frame advance

Press ❚❚ PAUSE, then press ❚❚► FRAME as many times as desired.
To resume normal playback, press ► PLAY or ❚❚ PAUSE.

MC-Service

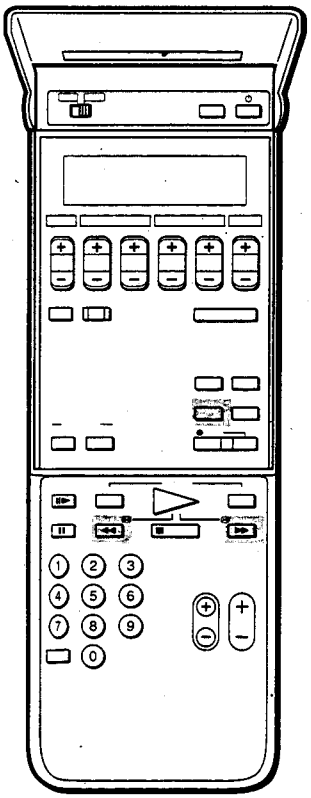
Using the Index Function

A desired programme can be easily located by an index signal marked on the tape.

How Index Signals are Marked

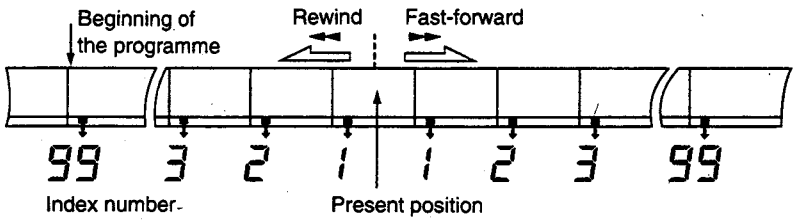
An index signal is automatically marked on the tape when recording starts from the stop mode.

The index signal is marked only when you start recording from the stop mode
If the VCR is set to the recording pause mode and then recording is resumed, no index signal will be marked.



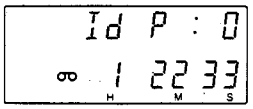
Locating a Desired Programme — Index Search

You can locate a desired programme and play it back automatically by designating its index position.
Up to the 99th index signal from the present position on the tape can be located.

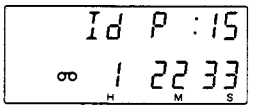


1 Insert the video tape.

2 Press INDEX while in the stop or playback mode.
The index indicator "Id" appears.



3 Press the number keys to designate the index position you want to locate.
The index number will be displayed in the front panel display.

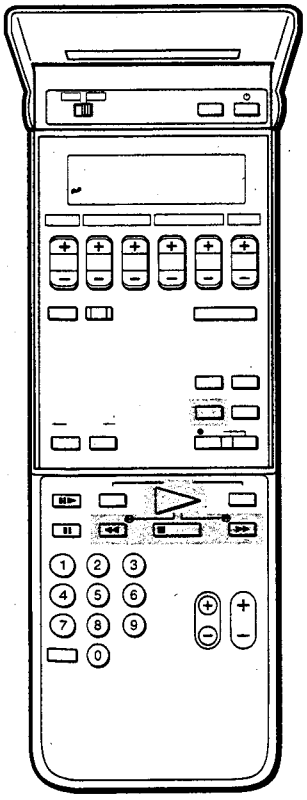


4 To locate a previous index position on the tape, press ◄◄ REW.
To locate a position ahead, press ►► FF.
The tape will be rewound or advanced rapidly. Every time an index signal is detected, the index number will decrease, until it reaches P: 1 and playback begins automatically from the desired position.

To release the index search mode after setting the number

Press INDEX again.

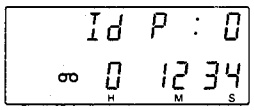
Watching the Beginning of Each Recording — Index Scan



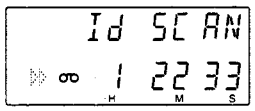
You can sample the beginning of each recording consecutively by using the index feature.

1 Insert the video tape.

2 Press INDEX while in the stop or playback mode.
The index indicator appears.



3 Press ►► FF or ◄◄ REW.



The tape will be rewound or advanced rapidly, and the VCR will search for an index signal. While the VCR is searching for the first index signal, "Id SCAN" is displayed in the front panel display.
Each time an index signal is detected, the VCR will play back 5 seconds of tape. Then the VCR resumes searching for the next index signal.

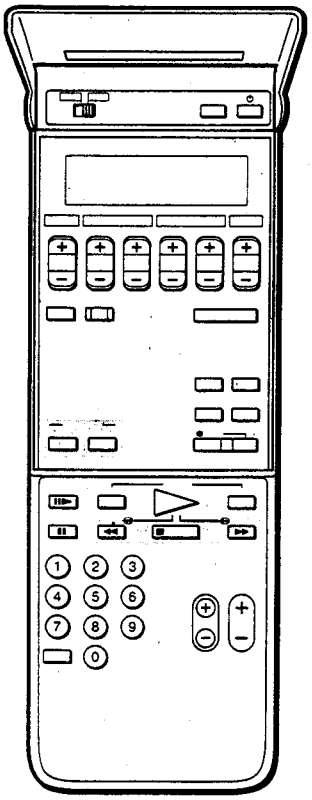
To view the normal playback picture

Press ► PLAY during the 5-second index playback period.

To stop index scan.

Press ■ STOP.

MC-Service



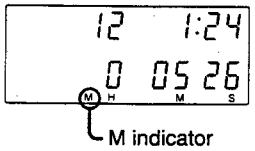
Using the Tape Counter

The VCR can memorize the counter zero point (0H00M00S) and automatically stop at that point. Thus, you can search for a desired point quickly during playback or recording.
Note that the tape counter only counts those sections of the tape where something has been recorded.

1 During playback or recording, press COUNTER RESET at the point you want to locate later. The counter will indicate "0H00M00S".

2 When recording or playback is finished, press ■ STOP.

3 Press COUNTER MEMORY so that the M indicator appears in the front panel display.

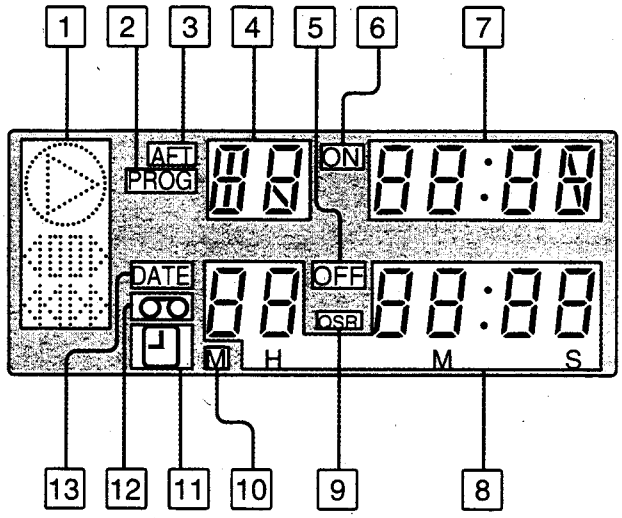


4 Press ◄◄ REW to rewind the tape.
The tape stops automatically at the position right before the "0H00M00S" point. If you press ◄◄ REW again, the VCR shows a negative counter value. To locate the counter zero point, press ►► FF.

To cancel the memory

Press COUNTER MEMORY.

Reading the Front Panel Display



Indicator	Lights when
1 Tape transport indicators	VCR is rewinding, fast-forwarding, playing, pausing, etc.
2 PROG indicator	Setting the timer for the timer-activated recording.
3 AFT indicator	Automatic fine-tuning function.
4 Programme number AU T Id ER	Setting the timer for the timer-activated recording. Recording signals from a EURO-AV socket. Automatic tracking adjustment. Index operation. You press TRANSMIT, the timer setting have not registered in the VCR.
5 OFF indicator	Setting the timer-stop time.
6 ON indicator	Setting the timer-start time.
7 Current time/tracking position indicator FULL SCAN	Current time, timer-activated recording start time and tracking position. You have set six TV programmes for timer recording. Index scan operation.
8 Linear tape counter/ timer-activated recording end time	How long a tape has been playing or recording and timer-activated recording date and end time.
9 QSR indicator	VCR is performing quick start recording.
10 M indicator	VCR memorize the counter zero point.
11 ⏎ indicator	VCR is waiting for the turn-on timer of timer recording.
12 ∞ indicator	The tape is inserted.
13 DATE indicator	Date.

MC-Service

Removing Picture Distortion

Usually, the tracking control function removes picture distortion automatically. However, occasionally, streaks or "snow" may appear on the screen when you play a video tape. When this happens, you can adjust the tracking control yourself either automatically or manually.

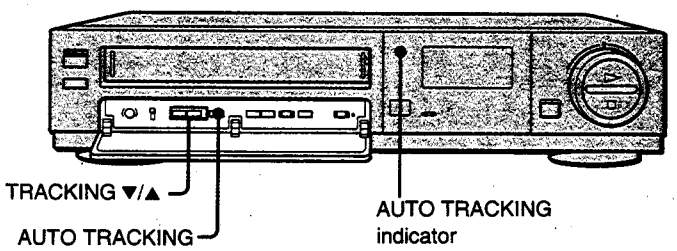
Automatic Tracking Adjustment

The auto tracking function works automatically (for about four seconds)
When the tape is played back just after it is inserted.

When a prerecorded tape with the copyguard system is played back
Intermittent distortion may appear in the upper portion of the picture. However, this is not a malfunction of the unit.

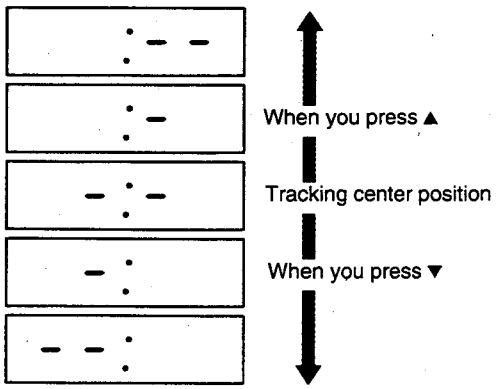
When playing back tapes recorded on another VCR or poorly recorded tapes
Satisfactory picture quality may not be obtained.

Press AUTO TRACKING during playback.
The AUTO TRACKING indicator lights and the "—:—" indicator appears in the front panel display.



Manual Tracking Adjustment

If picture does not improve even when AUTO TRACKING is pressed, adjust the tracking manually by pressing TRACKING ▼/▲.



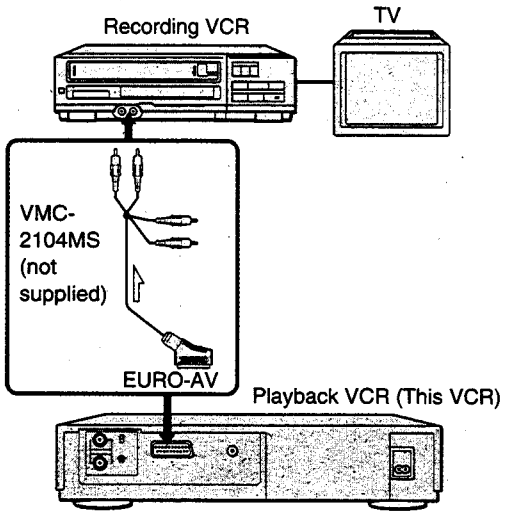
About three seconds after the button is pressed, the clock display will reappear.

Editing Video Tapes with Another VCR

This is just a sample connection.
If your VCR has different sockets than the ones referred to in this connecting procedure, consult your local Sony dealer or local Sony service facility for how to make the best connection.

To record video tapes from one VCR to another, connect the VCRs using a 4-plug, EURO-AV type connector (Sony VMC-2104 MS; not supplied). The SLV-225 (this VCR) will function as the playback VCR and the other VCR as the recording VCR.

Connecting the Two VCRs



1 Connect the other (recording VCR) to the TV. (Refer to the manual of the other VCR for how to connect it.)

2 Into this VCR, insert the EURO-AV connector at the terminal marked "EURO-AV*".
Take the other end of this connector and insert the yellow (video) plug into the terminal on the other VCR marked "Video In"; then, take either a red or white (audio) plug and insert it into the terminal marked "Audio In". (If it's a stereo model, plug in both red and white plugs at the two sockets marked "Audio In".)

3 On the other machine, select the line input (line 1 or 2) depending on the connection you have just made.

* If a EURO-AV socket is already attached to your TV, disconnect it from the TV.

NTSC-recorded Tape
You cannot edit the NTSC-recorded tape onto another VCR.

Editing

1 Into this VCR (playback VCR), insert a video tape with recording on it; into the other machine (recording VCR), insert a blank tape, or one that is to be copied onto.

2 On the other machine (recording VCR) find the point on the tape you want to start recording and press II PAUSE; on this machine, find the point on the tape you want to start playing and press II PAUSE.

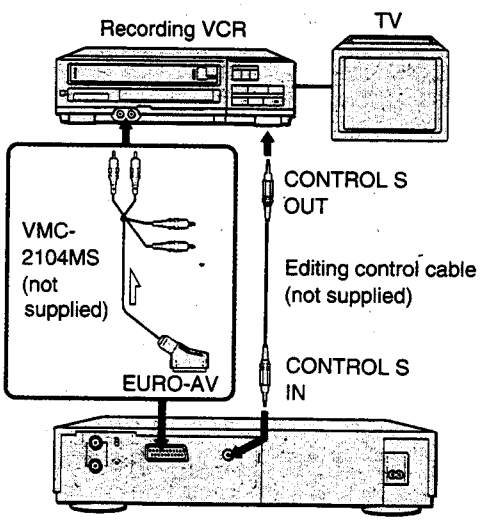
3 On this machine, press ► PLAY; on the other, press ● REC.

4 Release both II PAUSE buttons at the same time.
Copying begins.

MC-Service

Using the CONTROL S IN Jack

If this VCR is connected to other Sony equipment via a CONTROL S output jack, this VCR can be remotely controlled by other Sony equipment. Editing will be more precise if you edit from another Sony VCR equipped with a CONTROL S output jack and SYNCHRO EDIT button.



1 Insert a cassette with safety tab into the other VCR and select the line input.

2 Insert a source cassette into this VCR and set it to playback pause mode.

3 Set the other VCR to recording pause mode.

4 Press the SYNCHRO EDIT button on the other VCR.
Recording and playback start at the same time.

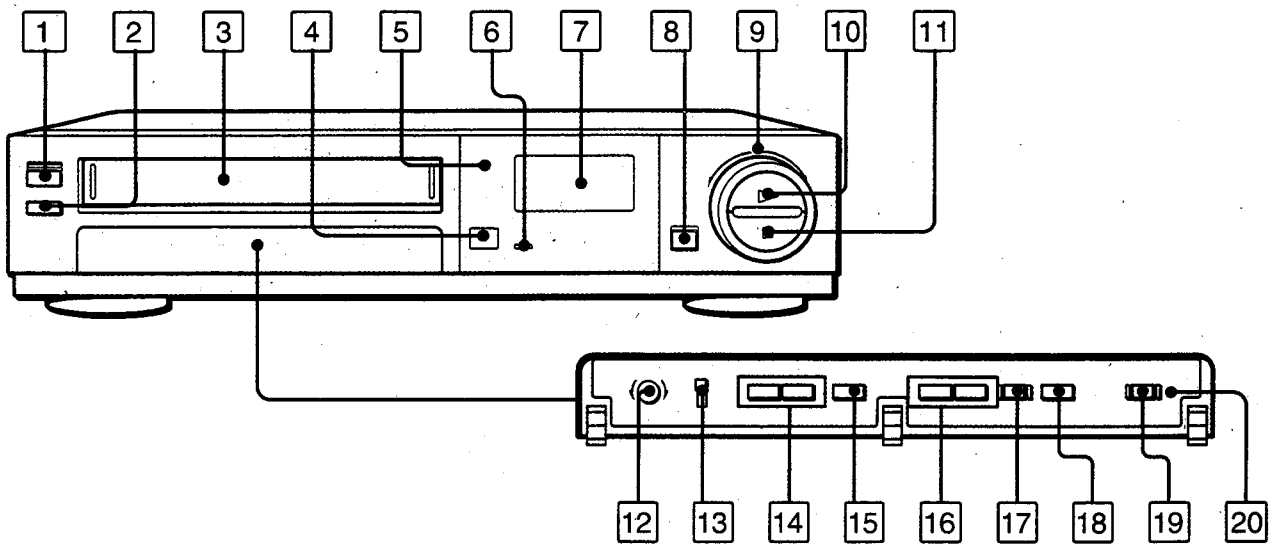
5 To stop editing, press the SYNCHRO EDIT button again.

For Your Information

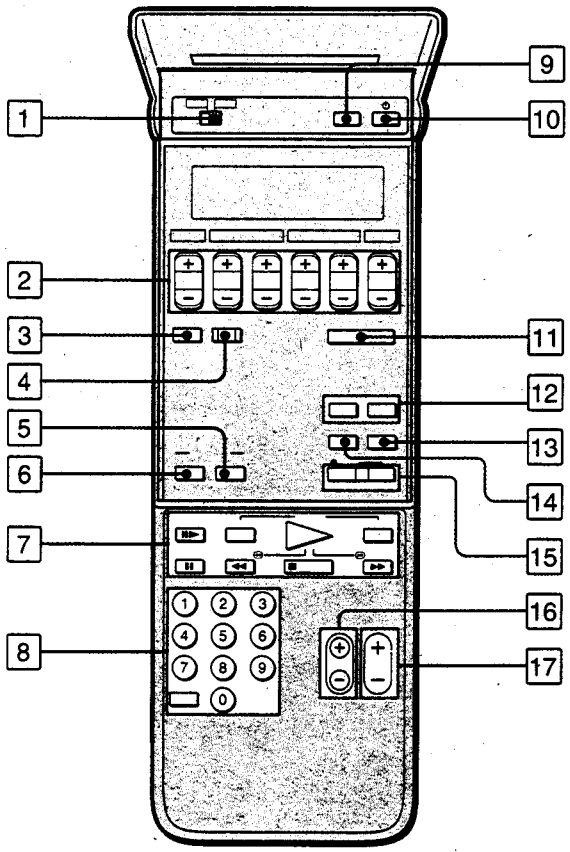
Identifying the Parts and Controls

Refer pages in circles for details.

Front Panel



1 ON/STANDBY switch ❽, ⓴
2 ⏏ EJECT button ⓱
3 Cassette compartment
4 Remote sensor ❺
5 AUTO TRACKING indicator ㉘
6 NTSC PB ON PAL TV indicator ⓰
7 Front panel display ㉗
8 II PAUSE button ⓱, ㉓
9 DUAL MODE SHUTTLE ring ㉙
10 ► PLAY button ⓰, ㉓
11 ■ STOP button ⓱
12 SHARPNESS control ⓱
13 COLOUR SYSTEM selector ❼
14 TRACKING/FINE TUNING ▼/▲/STILL ADJUST buttons ⓬, ㉓, ㉘
15 AUTO TRACKING button ㉘
16 PROGRAM (programme) +/– buttons ❿, ⓲, ⓴
17 TUNER PRESET button ❿
18 NEXT button ❿
19 ● REC (record) button ⓲, ㉑
20 CL (clear) button ㉞, ㉟

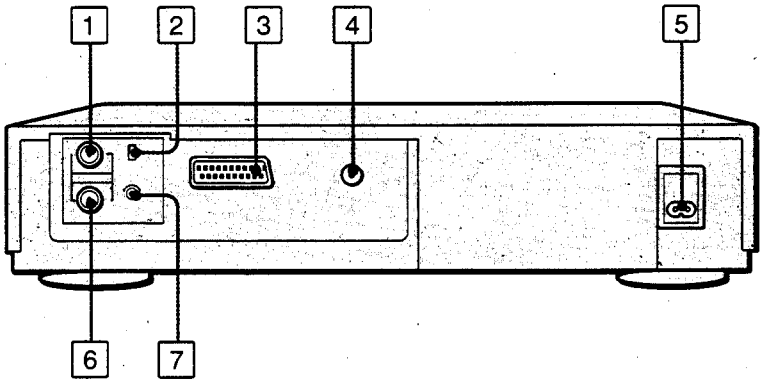


Remote Control

The buttons on the Remote Control with the same name or mark as those on the unit have the same function. The buttons with an orange dot can be used to remotely control Sony TVs when the TV-VTR selector is set to TV. The –/-- (10's digit) button cannot operate on certain Sony TVs.

1 TV-VTR selector ❺
2 Timer recording/clock set buttons ⓮, ⓳
D (date)
START time
STOP time
PROG (programme position) +/–
3 TIMER SET button ⓳
4 CLOCK SET button ⓮
5 COUNTER MEMORY button ㉖
6 COUNTER RESET button ㉖
7 Tape transport buttons ⓱, ㉓
II▶ FRAME
II PAUSE
▶ PLAY
■ STOP
◀◀/▶▶ SEARCH (reverse/forward)
◀◀ REW (rewind)
▶▶ FF (fast-forward)
8 Number keys ⓲
9 TV/VIDEO button
10 ⏻ (on/standby) button
11 TRANSMIT button ⓯
12 TIMER REC buttons ㉒
CLEAR
CHECK
13 INPUT SELECT button ⓲, ⓴
14 INDEX button ㉔
15 ● REC (record) buttons ⓲, ㉑
16 PROG (programme) +/– buttons ⓾, ⓲, ⓴
17 VOL (volume) +/– buttons

Rear Panel



1 AERIAL IN socket ❻
2 TEST SIG. (signal) switch ❽
3 EURO-AV (21-pin) socket ❻
4 CONTROL S IN jack ❿
5 AC IN (inlet) ❻
6 AERIAL OUT socket ❻
7 RF CHANNEL selector ❾

MC-Service

Troubleshooting

If you have any trouble with your VCR, try one of the following remedies. If the difficulty persists, contact your local Sony dealer or local authorized Sony service facility.

Problem	Remedy
Power ON/STANDBY does not function.	• Make sure the mains lead is plugged in.
The power shuts off while you are using the VCR.	• The safety drive on the VCR has been activated. Press CL (clear) on the VCR or turn the power off, disconnect the mains lead from the wall outlet and leave the unit turned off for more than 1 hour.
The power is turned on, but no indicators appear in the front panel display or they are not displayed correctly.	• Press CL (clear) or disconnect the mains lead from the wall outlet.
Clock/timer The clock has stopped and the "-:--" is displayed.	• Electric power has been interrupted. Reset the day, time, and timer settings.
TV reception TV reception is poor.	• Adjust the aerial.
Remote control The remote control does not function.	• Make sure to aim at the remote sensor on the front panel, center of the VCR. • The batteries are dead. Change the batteries. • To operate the TV using the remote control, slide the TV-VTR selector (at the top of the remote control) to TV, and to operate the VCR, slide it to VTR.
Recording and playing tapes A tape cannot be inserted.	• Check that a tape is not already in the tape compartment
The tape ejects when you press ● REC.	• Check that the safety tab has not been removed.
Nothing happens when you press ● REC.	• Make sure that the tape has been wound to the beginning. • Select the correct playback source with INPUT SELECT. Show AU when recording with a EURO-AV connection.
The tape will not play.	• The timer has been activated. Press ON/STANDBY to turn off the timer.

Problem	Remedy
The VCR picture is not clear.	• Make sure the TV is set to the programme position for the VCR. • Adjust the tracking with AUTO TRACKING or TRACKING ▼/▲. • Adjust SHARPNESS. • Make sure all the connections are secure. • Clean the video heads. Use the Sony T-25CL video head cleaning cassette. Refer to the instructions that come with the cassette when cleaning. If this cleaning cassette is not available in your area, have the heads cleaned at your nearest Sony facility. (Do not use a commercially available wet-type cleaning cassette. It may damage the video heads.) • The video heads may have to be replaced. (Ask your local Sony dealer for more information.)
The picture rolls vertically when you press SEARCH.	• Adjust the vertical hold control on the TV.
The VCR picture has no sound.	• Make sure the II PAUSE indication is not lit. • The tape is defective. Use a new tape.
Timer recording The timer does not function.	• Check that the clock is set correctly. • Make sure a programme has been set for timer recording. • Make sure a cassette has been inserted. • Check that the safety tab has not been removed; otherwise, cover the gap with a piece of adhesive tape.
After completing the setting, the ⏍ indicator flashes.	• Insert the cassette and turn off the VCR.
The cassette is ejected when you press TRANSMIT.	• Check that the safety tab has not been removed.
No timer recording was made.	• Check to see if the power was interrupted for more than 1 hour.
Miscellaneous No buttons function.	• Press CL (clear) on the VCR. (Note that the day, time and/or timer setting will be erased.)

MC-Service

Specifications

System

Channel coverage	SLV-225UB UHF channels B21-B68 SLV-225EI VHF channels A-J CATV channels S01-S03 CATV channels S1-S20 UHF channels B21-B68

Inputs and Outputs

Video input	EURO-AV: 21-pin (pin 20)
Video output	EURO-AV: 21-pin (pin 19)
Audio input	EURO-AV: 21-pin (pins 2 and 6)
Audio output	EURO-AV: 21-pin (pins 1 and 3)

General

Power requirements	240 V AC, 50 Hz (SLV-225UB) 220 ~ 230 V AC, 50 Hz (SLV-225EI)
Power consumption	30 W
Operating temperature	5 °C to 40 °C (41 °F to 104 °F)
Storage temperature	–20 °C to 60 °C (–4 °F to 140 °F)
Dimensions	430 × 95 × 362 mm (w/h/d) (17 × $3^3/_4$ × $14^3/_8$ inches) (including projection parts and controls)
Weight	6.0 kg (13 lb 4 oz)

Accessories supplied

Wireless Remote Commander RMT-V126 with two R6 batteries (1)
75-ohm coaxial cable (1)
RF channel adjuster (1)
AC power cord (1)

Design and specifications are subject to change without notice.

Note

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

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IMPORTANT: To enter in the next Prize Draw, please complete and return this questionnaire in the next 10 days. Please feel free to ignore any questions you prefer not to answer. Completion is not necessary for your guarantee.

A Registering your ownership : By filling in these details, you will help Sony to contact you, if necessary, about your purchase and about new products.

EAW 04

1 Please give your name and address.

1☐ Mr. 2☐ Mrs. 3☐ Ms. 4☐ Miss. 5 Other title

First name | Initial | Surname

Address

Postcode

2 Date of purchase : Day / Month / Year 19

3 Model purchased : SLV-225 UB

B About your purchase: Sony are keen to listen to their customers to learn about their changing needs. Your answers - and those of other customers - will be a great help to them.

4 Where was this product purchased?

1☐ Don't know/received as gift.
2☐ Dixons
3☐ Currys
4☐ Rumbelows/Atlantis
5☐ Comet
6☐ Department store
7☐ Mail order catalogue
8☐ Argos
9☐ Co-op
10☐ Boots
11☐ Electricity Board showroom
12☐ Specialist Hi-fi shop
13☐ Specialist TV/video shop
14☐ Local independent electrical shop
15☐ Sony Centre
16☐ Other

5 Is this product.....

1☐ your **first** video recorder?
2☐ **replacing** an old video recorder? Tick if Sony 2☐
3☐ **additional** to another video recorder? Tick if Sony 3☐

6 Which TWO factors most influenced your choice of this product? (Tick no more than TWO)

1☐ Did not choose
2☐ Sony reputation
3☐ Price/value for money
4☐ Friend's/relative's recommendation
5☐ Salesperson's recommendation
6☐ Product features
7☐ TV advertisement
8☐ Press advertisement
9☐ Reviews/magazine articles
10☐ Design/appearance
11☐ Ease of use
12☐ Picture quality
13☐ Previous experience of Sony
14☐ Promotion/special offer
15☐ Technical specification
16☐ Sound quality
17☐ Build quality/construction

7 Prior to deciding on this video recorder, which others, if any, did you seriously consider? (Tick as many as apply)

1☐ Did not consider any other
2☐ Another Sony
3☐ Akai
4☐ Amstrad-Fidelity
5☐ Ferguson
6☐ Hitachi
7☐ JVC
8☐ Matsui
9☐ Mitsubishi
10☐ Panasonic
11☐ Philips
12☐ Saisho
13☐ Samsung
14☐ Sharp
15☐ Toshiba
16☐ Other

8 Which THREE of the following features MOST influenced your choice of this product? (Tick no more than THREE)

1☐ Did not choose
2☐ Quick start mechanism
3☐ Remote control operates TV and VCR
4☐ Remote control with programming facility and LCD display
5☐ Shuttle dial for play/pause/rewind/slow/fast
6☐ Auto head cleaner
7☐ Video Index Search System (VISS)
8☐ Real time counter
9☐ 1 year/6 event timer
10☐ NTSC Playback
11☐ Digital Auto Tracking
12☐ Control S Input

9 How often do you intend to use this video recorder for .....? (Tick ONE box against EACH purpose)

		Frequently	Occasionally	Never
1	Recording and playing back TV programmes	1☐	2☐	3☐
2	Playing pre-recorded tapes you bought or hired	1☐	2☐	3☐
3	Playing tapes you have made with a camcorder	1☐	2☐	3☐
4	Editing tape you have made with a camcorder	1☐	2☐	3☐

10 Including this product, which of the following products do you own or intend to buy/replace in the next twelve months? (Tick as many as apply)

		Already own	Is it a Sony? YES	Intend to buy/replace in next twelve months
1	Large screen television	1☐	1☐	1☐
2	Small/portable television	2☐	2☐	2☐
3	Video recorder	3☐	3☐	3☐
4	Radio-cassette recorder	4☐	4☐	4☐
5	Personal stereo/Walkman	5☐	5☐	5☐
6	Clock radio	6☐	6☐	6☐
7	Radio	7☐	7☐	7☐
8	Camcorder	8☐	8☐	8☐
9	Hi fi rack/midi system/music centre	9☐	9☐	9☐
10	Separate hi fi units	10☐	10☐	10☐
11	Portable CD player/Discman	11☐	11☐	11☐
12	CD player (non portable)	12☐	12☐	12☐
13	DAT player	13☐	13☐	13☐
14	Satellite TV Receiver	14☐	14☐	14☐
15	None of these	15☐	15☐	15☐

If you have any further comments about this product please write them on a separate sheet and enclose with this questionnaire.

C About yourself: Sony would also like to know more about you as a person - it helps when designing new products and planning advertising. Knowing more about you also helps Consumerlink and other responsible organisations to ensure that, if you choose to receive information by post it will interest you.

11 Which of the following newspapers do you read REGULARLY?

1☐ The Sun
2☐ The Star
3☐ Daily Mirror
4☐ Daily Mail
5☐ Daily Express
6☐ Today
7☐ Independent
8☐ The Guardian
9☐ Daily Telegraph
10☐ The Times
11☐ Daily Record
12☐ None of these

12 Is the person whose name appears above:

1☐ Male? **or** 2☐ Female?

13 Date of birth of person whose name appears above:

Month / Year 19

14 Marital status:

1☐ Married
2☐ Widowed
3☐ Divorced/Separated
4☐ Single/never married

15 Occupation:

	You	Spouse
Professional/senior management	1☐	1☐
Manager in business	2☐	2☐
Administrator/clerical	3☐	3☐
Manual	4☐	4☐
Housewife	5☐	5☐
Student	6☐	6☐
Retired	7☐	7☐
Other	8☐	8☐
Self-employed/business owner	9☐	9☐

16 Please indicate the ages of ALL children living at home:

☐ None
☐ Under 1 ☐ 1 yr ☐ 2 yrs ☐ 3 yrs ☐ 4 yrs
☐ 5 yrs ☐ 6 yrs ☐ 7 yrs ☐ 8 yrs ☐ 9 yrs
☐ 10 yrs ☐ 11 yrs ☐ 12 yrs ☐ 13 yrs ☐ 14 yrs
☐ 15 yrs ☐ 16 yrs ☐ 17 yrs ☐ 18 yrs ☐ 19 & over

17 Which group best describes your annual FAMILY income?

1☐ Under £5,000 (Under £96 per week)
2☐ £5,000-7,499 (£96-144 p.w.)
3☐ £7,500-9,999 (£145-192 p.w.)
4☐ £10,000-12,499
5☐ £12,500-14,999
6☐ £15,000-17,499
7☐ £17,500-19,999
8☐ £20,000-22,499
9☐ £22,500-24,999
10☐ £25,000-29,999
11☐ £30,000-34,999
12☐ £35,000 and above

18 Which of the following do you use regularly?

1☐ American Express, Diners Club
2☐ Barclaycard, other Visa card, Access, other Master Card
3☐ Department store, shop, petrol, hotel credit card(s)
4☐ Bank cheque guarantee card
5☐ Airline club/frequent flyer programme
6☐ None of the above

19 Thinking about your own home, do you:

1☐ Own, or are buying, a house, flat or maisonette?
2☐ Rent a private house, flat or maisonette?
3☐ Rent a council house, flat or maisonette?
4☐ Live with parents/guardians?

20 How long have you been at your present address?

1 I only moved here ____ months ago, **OR**

2 I've lived here for ____ years.

NOW PLEASE TURN OVER

SONY®

Thank you for choosing this quality product from Sony. We hope that it will give you many years of excellent service. Please fill in this questionnaire - the information you give will be held and processed by Consumerlink.

Product Registration: By filling in part A overleaf you are registering your ownership of the product. Then it's easy for Sony to contact you, if necessary, about your purchase and about new products.

Collecting Marketing Information: By filling in parts B and C it is also your chance to talk to Sony about yourself and your needs; **this will not affect your guarantee or legal rights.**

Keeping You Informed: If you have no objection, your name and address may be used by Consumerlink and other responsible organisations to post information to you about products and services that you might find interesting according to your answers in parts A and C. Please tick here if you would prefer not to participate in this opportunity ☐

You Could Win Your Money Back! To show our appreciation for your help in returning this questionnaire, a FREE PRIZE DRAW is held on the last Friday of each month from all questionnaires received since the previous draw. The lucky winner each month will receive a cheque to the full value of their purchase.

Thank you for your help and good luck in the draw!

Consumerlink

Second Fold

POST NOW
YOU COULD WIN
YOUR MONEY BACK!

PLACE STAMP HERE

(Please do not send products or correspondence to this address)

SONY CONSUMER PRODUCTS
c/o Consumerlink
P.O. Box 362
LONDON
SW11 3UD

EAW 04

Seal here with tape

Seal here with tape

First Fold

21 To help us understand your leisure interests, please indicate the activities and interests which you or your spouse enjoy on a REGULAR basis:

01 ☐ Bicycle touring/racing
02 ☐ Golf
03 ☐ Jogging/physical fitness
04 ☐ Snow skiing
05 ☐ Squash
06 ☐ Tennis

07 ☐ Bowls
08 ☐ Hiking/walking
09 ☐ Fishing
10 ☐ Hunting/shooting
11 ☐ Motor/power boating
12 ☐ Sailing
13 ☐ Crossword puzzles

14 ☐ Eating out
15 ☐ Gardening
16 ☐ Grandchildren
17 ☐ Household pets
18 ☐ Motoring
19 ☐ Motorcycles

20 ☐ Car maintenance
21 ☐ Do-it-yourself
22 ☐ Doing the pools
23 ☐ Going to the pub
24 ☐ Health foods
25 ☐ Slimming
26 ☐ Fashion clothing

27 ☐ Model making
28 ☐ Photography
29 ☐ Science fiction
30 ☐ Sewing/needlework/knitting
31 ☐ Stereo, records and tapes
32 ☐ Book reading

33 ☐ Current affairs
34 ☐ Fine art/antiques
35 ☐ Gourmet cooking/fine foods
36 ☐ Wines
37 ☐ Theatre, cultural/arts events
38 ☐ Religious activities

39 ☐ Caravanning/caravan camping
40 ☐ Package holidays
41 ☐ Foreign travel
42 ☐ Charities/voluntary work
43 ☐ National Trust.

44 ☐ Wildlife/environmental concerns
45 ☐ Coin/stamp collecting
46 ☐ Collectibles/collections
47 ☐ Going to bingo
48 ☐ Shopping by catalogue
49 ☐ Stocks and shares

50 ☐ Unit trusts/investment programmes
51 ☐ Cards, board games
52 ☐ Further education
53 ☐ Home computer games
54 ☐ Personal computing

55 ☐ Science/new technology
56 ☐ Watching video films
57 ☐ Watching sports on TV
58 ☐ Cigarette smoking
59 ☐ Pipe/cigar smoking

22 From the list above, please indicate the numbers representing the three favourite activities for:

You: ☐☐ ☐☐ ☐☐

Your spouse: ☐☐ ☐☐ ☐☐

23 Do you have a car?

1 ☐ Yes 2 ☐ No

Is it:

3 ☐ Yours? or
4 ☐ A company car?

Make of car ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐
(e.g. Rover, Vauxhall, Ford)

Model of car ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐
(e.g. Metro, Cavalier, Escort)

Year 1 9 ☐☐ or letter ☐ of registration

If you have any comments or questions about the products and services of Sony or the services of Consumerlink please write to :-
Sony (UK) Ltd., Customer Relations Department, National Operations Centre, Pipers Way, Thatcham, Newbury, Berks. RG13 4LZ.
Consumerlink Ltd., Port House, Square Rigger Row, London, SW11 3TY.

MC-Service